|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Angiosperms** | **Gymnosperms** | **Leaf Cutting** | **Root Cutting** | **Grafting** | **Seed Germination** |
| **Is it a Natural or Artificial method of Reproduction?** | Natural | Natural | Artificial | Artificial | Natural/Artificial | Natural/Artificial |
| **Describe the type of Reproducation (i.e. Sexual/Asexual)** | Sexual | Sexual | Asexual | Asexual | Asexual | Sexual |
| **Does the type of Reproduction involve Meiosis or Mitosis or both?** | Both | Both | Mitosis | Mitosis | Mitosis.   |  | | --- | |  | |  |  | | Mitosis |
| **Describe the plants produced in terms of genetic variability** | Different from parent | Different from parent | No Variation | No Variation | Can produce variation | No Variation |
| **Is this method used for commercial food production?** | No | No | No | Most Commonly! | Most Commonly! | Yes! |
| **Examples of plants** | Any flower bearing plant | Conifers, Cycads, Gingkos, Gnetales | House plants with thick fleshy leaves including:  African Violets, Gloxinias, Hoya, Snake plant, Sedum, Rex begonia, rubber plant, Grape ivy, and Christmas Cactus. | Raspberry, blackberry, rose, trumpet vine, phlox, crabapple, fig, lilac, and sumac | Works best with woody plants; shrubs and trees | Flowering plants and Conifers |

**Summary of Reproductive Methods**